Vega Video + Photo Light

Instruction Manual

2101 Vega + US Charger

2102 Vega + Euro Charger

2103 Vega + UK Charger

2104 Vega + Aus Charger

Thank you for your purchase of Ikelite equipment. Please read this instruction manual completely before attempting to operate or dive with this product. Please refer to the back page of this manual to register your Ikelite product.

Table of Contents

Introduction ..... P. 3

Vega Light with Lanyard ..... P. 3

Specifications ..... P. 4

Usage ..... P. 4

Parts of the Vega ..... P. 5

Power Dial Positions ..... P. 6

Charging the Vega ..... P. 7

Charger Information ..... P. 8

WARNINGS ..... P. 8

Vega Mounts & Accessories ..... P. 9

Troubleshooting ..... P. 9

Safety Information ..... P. 9

Maintenance ..... P. 9

Storage Information ..... P. 10

Airline Travel and Transport Information ..... P. 10

Customer Support ..... P. 10

Limited Warranty ..... P. 11

Returning Products for Service ..... P. 11

Product Registration ..... P. 12

Introduction

Like every Ikelite product, the Vega is designed, built and tested in the USA. We use locally sourced, top-grade materials. Our lights are built by hand and individually tested for function and waterproof integrity. The average assembly technician is a certified scuba diver and has over 16 years of experience building Ikelite products. We back our products with over 50 years of experience and service within the dive industry.

The Vega packs a lot of power into a compact and travel-friendly package. Switch quickly between full, half and quarter powers for video, focusing, macro photography, or to use as a backup dive light. Power level is controlled by a large, easy to turn dial on the rear of the light. A premium, high-capacity built-in rechargeable battery provides up to 3 hours run time on a single charge.

Each Vega is completely factory sealed and water pressure tested for care-free maintenance. The clever rear dial over-rotates to a secondary "off" position with a lock to prevent the light from accidentally turning on when not in use. Two gold-plated, independently waterproofed charger ports are deliberately hidden when the switch is in the safety lock position to eliminate the possibility of inadvertently shorting the light during travel.

The Vega features a ring of 6 LED indicators directly on the back of the light. Three Blue LEDs give you power level information and three Red LEDs show remaining battery power at a quick glance.

Vega Light with Lanyard

- Vega LED Light with Lanyard attached
- Charger
- Instruction Manual

Specifications

Intensity .....2000 Lumens maximum power

Power Settings.....Full (2000), 1/2 (1000), 1/4 (500)

Run Time .....45 min high power / 180 min low power

Beam Angle .....65 degrees

Coverage Angle .....52 degrees

Color Temperature ..5700K

Depth Rating .....300 ft (90 m)

Dimensions .....1.95 in dia. x 5.6 in length (50 mm x 142 mm)

Weight .....11.2 oz (318 g)

Batteries.....Non-removable 7.4V Rechargeable Li-ion

Front Thread 46mm

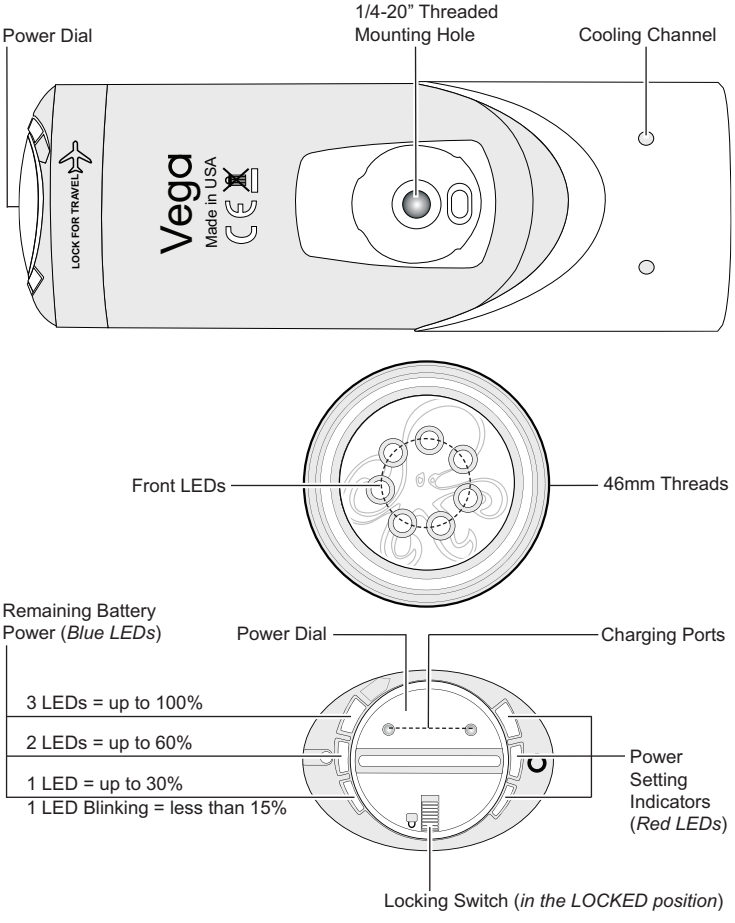
Buoyancy .....Negative

Usage - see diagrams on pages 5 and 6

- When you are ready to **turn on** or **charge** the Vega, slide the Locking Switch toward the center of the Power Dial. Rotate the Power Dial clockwise to the *OFF/CHARGE* position. Insert Charger Plug or continue rotating to turn on.
- Fully charge the Vega before each use (*see Charging the Vega, page 7*).
- Always keep the Vega Power Dial in the *LOCKED* position, page 6, when not in use or charging.

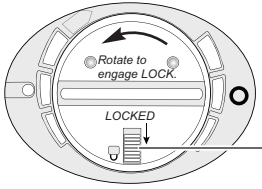
- ⚠ CAUTION: The Vega is designed for UNDERWATER use only and has cooling channels which allow water to constantly cool the light. DO NOT leave the Vega on for long periods of time **above** water. This may cause the Vega to overheat and shut off. If this happens, turn the Power Dial to the *OFF/CHARGE* position. A built-in safety feature will not allow the light to turn on until a safe operating temperature is again achieved. Keep the Vega out of direct sunlight for extended periods.

Parts of the Vega



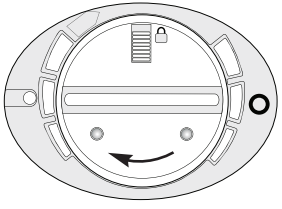
Power Dial Positions

Rotate the Knob counterclockwise and 180° past the *OFF/CHARGE* position to engage the Locking Switch, and *LOCK* the Power Dial when not in use.

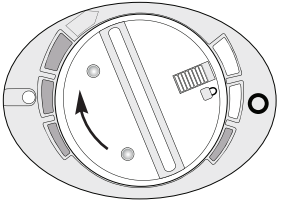


Power Dial and Locking Switch in the *LOCKED* or *TRAVEL* position. Push Switch down to *LOCK*.

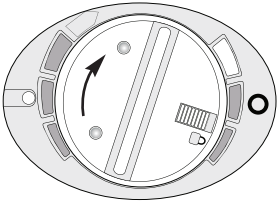
Power Dial and Locking Switch (*in the OFF/CHARGE position*)



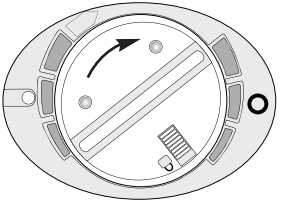
Power Dial in 1/4 Power Setting



Power Dial in 1/2 Power Setting



Power Dial in Full Power Setting

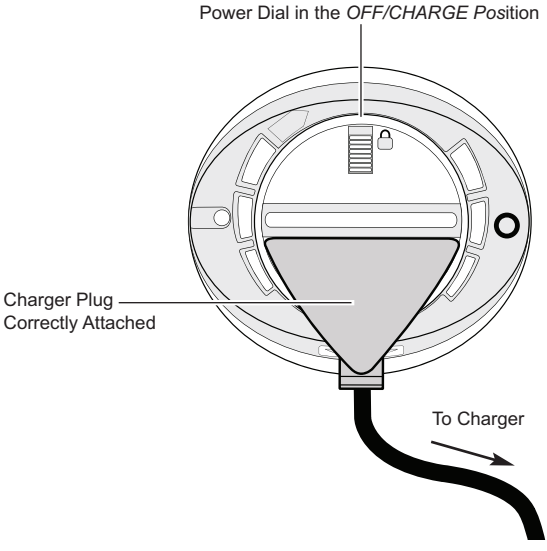


Charging the Vega

⚠CAUTION: Make sure the Vega is completely dry before charging.

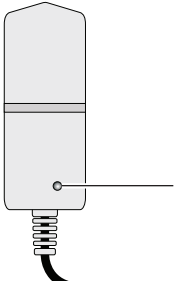
1. Turn the Power Dial to the *OFF/CHARGE* position.
2. Push the Charger Plug into the Charging Ports until it is flush against the Power Dial, **Diagram A**.
3. Plug the Charger into a wall or compatible electrical socket and charge until the red charger LED turns green. A completely discharged Vega will require approximately three hours to fully recharge.
4. Remove Charger Plug from Vega and return the Power Dial to its *LOCKED* position until ready for use.
5. Remove Charger from wall or compatible electrical socket and store in a safe place. Do not leave Charger plugged in when not in use.

Diagram A



Charger Information

Compatibility .....Vega LED Video / Photo Light
Input .....100-240 Volts AC, 50-60 Hertz, 1.0 Amps
Output .....8.4 Volts, 1.0A
Operating Temperature .....32°F - 104°F (0°C - 40°C)
Storage Temperature .....-40°F - 158°F (-40°C - 70°C)
Compliance .....CE, RoHS, UL



Red LED = Vega is **not fully charged**
Green LED = Vega is **fully charged**

LED Charger Indicator Light

⚠ WARNINGS

- It is safe to leave the charger connected to the battery pack when charging is complete and the charger LED is lit “Green.” To conserve energy, unplug the unit when not in use.
- Operation of the charger with battery packs other than the Vega is dangerous and could result in damage to the battery or charger.
- Model numbers and ratings are shown on the front label of the charger.
- This charger is for indoor use only.
- Use only in dry locations.
- The Vega contains no user-serviceable parts. Do not attempt to open this product; send to the Ikelite Service Department if damaged or inoperable.
- Keep the charger away from fire and other sources of heat.
- DO NOT attempt to charge or connect a Vega that has flooded or leaked. Electrical shock, injury or fire could occur. Make sure the Vega is completely dry before charging.

Vega Mounts & Accessories (sold separately)

Please visit **www.ikelite.com** for optional Vega Mounts and Accessories.

Troubleshooting

Problem	Solution
Light is dim or does not work.	- Recharge light. - Check Power Setting. - Vega is designed for UNDERWATER use due to its high intensity. If the light is used for extended periods of time above water, a safety switch will turn the light off. If this happens, turn Power Dial to the *OFF/CHARGE* position and allow the light to cool down to operating temperature before attempting further use.

Safety Information

Fuse switches and heat management circuitry are built into the Vega to prevent accidental overheating, short-circuits, overcharge, or over-discharge.

DO NOT subject the Vega to temperatures in excess of 70°C (158°F). Such abuse can result in loss of seal, battery leakage, and/or battery cell explosion.

Product Safety Data Sheets (PSDS) can be obtained through an Ikelite dealer or by contacting ikelite@ikelite.com.

Maintenance

Always rinse the Vega in freshwater after each dive. Any trapped saltwater in the Charging Ports may dry and cause salt crystals to form which could interfere with charging.

Storage Information

Rinse and dry the Vega before storing. Store in a cool ventilated area, away from moisture and sources of heat or open flame. Temperature above 70°C (158°F) can result in loss of seal, battery leakage, and/or battery cell explosion.

Charge the battery pack to at least half to maintain healthy condition of the cells. Always rotate the Power Dial into the *LOCKED* position when not in use.

Airline Travel and Transport Information

The Vega Power Dial should be in the *LOCKED* position, and the Locking Switch should be locked to prevent accidental activation during transport. DO NOT attempt to open the Vega.

In case of accidental activation during shipment or transport, the aluminum front of the Vega should avoid direct contact with plastic or neoprene within your luggage or package, as this will prevent cosmetic heat related damage to those materials. Securely pack the Vega with cotton, polyester, or fleece material in your luggage for safe transport.

The Vega integrated Li-ion battery is less than 100 Whr and complies with all applicable airline safety regulations for rechargeable Li-ion batteries contained in equipment.

Check with your airline regarding regulations on transporting Li-ion batteries in carry-on or checked baggage.

Customer Support

Please read the troubleshooting section of this instruction manual before contacting Ikelite Customer Support.

Ikelite Underwater Systems
Service Department
50 West 33rd St.
Indianapolis, IN 46208 USA

Email: ikelite@ikelite.com
Phone: 317-923-4523

Limited Warranty

This Ikelite product is warranted against any manufacturing defects for a period of one (1) year from the original date of purchase. Defective products should be returned to Ikelite postage paid. Ikelite will, at its sole discretion, repair or replace such products, and will return to customer postage paid. All other claims of any nature are not covered. Except as mentioned above, no other warranty expressed or implied applies to this Ikelite product.

Returning Products For Service

Ikelite is most interested in performing any service to ensure that all products perform as intended. Evidence of purchase date must be provided to obtain warranty service.
No prior authorization is required. You may return directly to us or through your dealer. Please include a brief description of the problem, any relevant email correspondence, and/or instructions on what you want us to do. Always include name, shipping address, email address, and phone number inside of the package. Send postage paid to:

Ikelite Underwater Systems
Attention: Service Department
50 West 33 Street
Indianapolis, IN 46208 USA

No reimbursements for postage paid will be issued.
You may also want to insure the package.

Returning Products for Service (outside the United States)

For the separate international customs documentation form that you complete to accompany the shipment, please state or designate that the enclosed products were originally manufactured in the USA and are being returned to the manufacturer for repair service. Value of the equipment listed for customs purposes should be zero.

Product Registration

Please go to **www.ikelite.com** to register your Ikelite housing within 15 days of purchase.

Ikelite Underwater Systems
50 West 33rd Street
Indianapolis, IN 46208 USA

www.ikelite.com

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